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Journal Information

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Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

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Recent Articles

Multi-target Compiler Analyses, Optimization, and Code Generation Framework for Graph DSLs
2026-10-25 Vol. 54 Issue 4
Authors: Ashwina Kumar, L. S. Naveen, Shriram Chandran et al.
DOI: 10.1007/s10766-026-00832-8

Exploring Latency Hiding Strategies for GPU GEMM Using Pipelined Multiword Arithmetic
2026-10-12 Vol. 54 Issue 4
Authors: Alexis Aune, Oguz Kaya, Joël Falcou
DOI: 10.1007/s10766-026-00830-w

A Review of Compiler Optimization Techniques and Comparative Analysis for RISC-V Software Development
2026-9-1 Vol. 54 Issue 4
Authors: Maria Ayub, Imran Shafi, Sajid Gul Khawaja et al.
DOI: 10.1007/s10766-026-00829-3

Cache Predict ML: Big Data ML Models for Predicting Cache Behavior in Multi-Core Processor Architectures
2026-8-20 Vol. 54 Issue 4
Authors: K. Aravinthan, A. Athiraja
DOI: 10.1007/s10766-026-00831-9

NLock: A Scalable Lock for NUMA Architectures
2026-7-27 Vol. 54 Issue 4
Authors: Brahmaiah Gandham, Praveen Alapati, Aman Iftekhar
DOI: 10.1007/s10766-026-00828-4

Scalable and Accurate Parallel Timing Simulations with parti-gem5
2026-6-29 Vol. 54 Issue 4
Authors: José Cubero-Cascante, Niko Zurstraßen, Jörn Nöller et al.
DOI: 10.1007/s10766-026-00819-5

CNN-Based Equalization for Communications: Achieving Gigabit Throughput with a Flexible FPGA Hardware Architecture
2026-6-29 Vol. 54 Issue 4
Authors: Jonas Ney, Christoph Füllner, Vincent Lauinger et al.
DOI: 10.1007/s10766-026-00825-7

Mneme: A Parallel Preprocessing Framework for Large Tabular Datasets
2026-6-29 Vol. 54 Issue 4
Authors: Argiris Sofotasios, Dimitris Metaxakis, Panagiotis Hadjidoukas
DOI: 10.1007/s10766-026-00817-7

East of Eden: Parallel Functional Programming in Idris
2026-6-29 Vol. 54 Issue 4
Authors: Christopher Brown, Adam D. Barwell
DOI: 10.1007/s10766-026-00815-9

Parallelization as a Source of Randomness in Iterative Tomography: A Case Study
2026-6-29 Vol. 54 Issue 4
Authors: Zachary H. Levine, Collin Guan
DOI: 10.1007/s10766-026-00822-w